

## A SCIENTIFIC MAGICIAN.

Will Make Various Staples of Commerce Artificially with Chemicals.

M. Berthelot, the new French Minister of Foreign Affairs, possesses fame apart altogether from his political efforts. In his special domain of chemical knowledge he ranks among the first of his contemporaries. Chemical synthesis, the science of artificially putting organized bodies together—may be said to owe its existence to him.

The practical results expected to flow from his experiments and discoveries are enormous. Thus, sugar has recently been made in the laboratory from glycerine, which Professor Berthelot first made direct from synthetic alcohol. Commerce has now taken up the question, and an invention has recently been patented by which sugar is to be made upon a commercial scale from two gases at something like 1 cent per pound. M. Berthelot declares he has not the slightest doubt that sugar will eventually be manufactured on the largest scale synthetically, and that the culture of sugar cane and the beet root will be abandoned because they have ceased to pay.

The chemical advantages promised by M. Berthelot to future generations are marvelous. He cites the case of alizarin, a compound whose synthetic manufacture by chemists has destroyed a great agricultural industry. It is the essential commercial principle of the madder root, which was once used in dyeing wherever dyeing was carried on. The chemists have now succeeded in making pure indigo direct from its elements, and it will soon be a commercial product. Then the indigo fields, like the madder fields, will be abandoned, industrial laboratories having usurped their place.

But these scientific wonders do not stop here. Tobacco, tea and coffee are to be made artificially. Not only this, but there is substantial promise that such tobacco, such teas and such coffees as the world has never seen will be the outcome. Theobromine, the essential principle of cocoa, has been produced in the laboratory, thus synthetic chemistry is getting ready to furnish the three great non-alcoholic beverages in general use. The tea plants, coffee shrubs and cocoa trees must some day follow the lead of madder and indigo.

Tobacco will be obtained in a similar fashion. Professor Berthelot has obtained pure nicotine, whose chemical constitution is perfectly understood, by treating salomine, a natural glucoside, with hydrogen. Synthetic chemistry has not made nicotine directly as yet, but it has very nearly reached it, and the laboratory manufacture of nicotine may fairly be expected at any time. The tobacco leaf is simply so much dried vegetable matter in which nicotine is naturally stored. Chemistry will first make the nicotine, and impregnate any desirable leaf with it to any degree of strength. Later on, if necessary, it will also make the leaf, as well as those other elements which exist in fine tobacco, in addition to nicotine and vegetable fiber.

## Gambling in Fresno.

It has been known for many weeks that gambling has been conducted in this city in open defiance of the law, and no effort has been made to stop it, says a late Fresno, Cal., dispatch. Senator G. G. Goucher has created consternation among the gamblers, as well as among the officials whose duty it is to enforce the law, by sending a notice to the officers. A copy of it was sent to Chief of Police Woy, Sheriff Scott, Constable Shaw and Constable Alb. The Grand Jury is in session, and it is likely indictments will follow.

New Mexico is worth \$14,675,209.

## The Good Qualities

Posessed by Hood's Sarsaparilla are almost beyond mention. Best of all, it purifies the blood, thus strengthening the nerves. It regulates the digestive organs, invigorates the kidneys and liver, tones and builds up the entire system. It cures dyspepsia, scrofula, catarrh and rheumatism. Remember, Hood's Cures.

Hood's Pills act easily, yet promptly and effectively on the liver and bowels. 25 c.

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North Pembroke, Mass.

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A Bad Cough, Very Weak

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Hood's Sarsaparilla Cures

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Hood's Pills cure Constipation by restoring the peristaltic action of the alimentary canal.

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You throw away dollars every year in broken lamp chimneys. Better stop it now while you can get a preparation that will prevent a chimney from breaking when put on wet. Prof. Humboldt's anti-explosive compound will do this and will prevent the explosion of kerosene oil and gasoline. We are sole agents for this preparation as well as for the New Ideal Sewing Machine, the equal to any high priced article, and we sell it for \$30 and \$35 with attachments. 15000 feet of mouldings for picture frames just received by the "Albert," also oval and circular frames, something new and elegant.

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